

C.V. of Dale Gass (B. Comm., M. Sc.)

CONTACT

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OBJECTIVE

To make a significant and lasting impact in the field of security and privacy rights, both on-line and off.

SUMMARY OF QUALIFICATIONS

Extensive technical, business, and leadership experience in the Internet world, as well as a proven track record in the design and delivery of new and scalable and secure products and services, and the mentoring and management of people involved in the process.

WORK EXPERIENCE

2013-
Sydney
Nova Scotia

Independent Developer of Electronic Devices

- Extensive research into current encryption protocols and standards
- Design of independent electronic devices to counter current electronic and on-line threats
- Design, coding, implementation of various electronic prototypes

2010-2011
cayLogic
Halifax
Nova Scotia

iOS (iPhone, iPad, iPod) developer

- Development of iPhone/iPad/iPod games, applications
- Publishing of app in Apple's store

2008-2012
cayLogic
Sydney
Nova Scotia

Voice-over-IP (VOIP) Specialist

- Designed, installed, and configured new VOIP based PBX system for Protocase, Inc., and other clients
- Helped isolate and resolve low-level VOIP issues
- Developed custom Asterisk scripts, support code
- Modified Asterisk source code as required by clients

2008-2010
ViaPeak
Halifax
Nova Scotia

Contractor, Consultant, SAAS

- Designed conversion of ViaPeak's .NET ActionHero product, to be a web-based property (SAAS)
- Planned, implemented, coded new web-based ActionHero site
- Used Python with Django web framework, JavaScript, JQuery, AJAX, SQL

2007-
Innovacorp
Sydney
Nova Scotia

Speaker/Host, Innovacorp TecSocial Seminar Series

- Gave talk on Voice over IP
- Gave talk on Cloud Computing
- Participated in Mac vs. PC Debate

2005-
**Independent
Contractor**

Contractor, Consultant

- Participated in iPhone vs. BlackBerry Debate
- Performed technical due diligence, evaluation of start-up, for an investment firm
- Various contract consultation, contracting, design, programming jobs

2004-2005
IronSentry
Halifax
Nova Scotia

Founder, Chief Technical Officer

- Designed prototype for a system to proxy SMTP and POP traffic, while automatically archiving and indexing all email, providing a permanent, web-searchable archive of all of one's email (pre-gmail)
- Raised funding (~\$500,000 CAD) to bring prototype to commercial state
- Successfully launched initial commercial version
- Managed team members in development and deployment of IronSentry products
- Initiated patent process for several key components of proxy and indexing system

2004
NaviTrak
Halifax
Nova Scotia

Contractor, Consultant, Developer

- Ported proprietary embedded GPS product's software to Pocket PC Platform
- Provided high level design suggestions on overall product line

2002
FBI
Lexington
Kentucky

Witness, Expert

- Provided evidence and testified in case against Timothy Chambers, accused of child abuse and posting the photos publicly on PhotoPoint, a federal wire crime
- Chambers received life in federal prison with no chance of parole, for these crimes (he had only received several years for the actual abuse incidents)
- <http://caselaw.findlaw.com/us-6th-circuit/1312527.html>
(Warning: a disturbing read)

2002
Private Co.
Halifax
Nova Scotia

Founder, Principal

- Designed system for burning of defunct PhotoPoint.com member photos to CD's
- Implemented end-to-end system, including order processing, CD burning, shipping, tracking

1998-2001
**Pantellic
Software**
Halifax
Nova Scotia

Chief Executive Officer, Founder

- Designed and developed the world's first major on-line photo sharing site, PhotoPoint.com. PhotoPoint.com was the largest site of its kind during its entire lifespan.
- Continually evaluated and incorporated customer feedback into evolving and improving the product
- Created a reliable, scalable hardware and software infrastructure which allowed PhotoPoint to support exponentially growing customer numbers and traffic levels
- In February of 1999, licensed the PhotoPoint source code to Intel, for \$1.7M US, providing seed money for expansion of Pantellic. Intel used

this code to create GatherRound.com, a photo sharing site of their own, designed to promote their imaging technologies.

- In June of 1999, closed \$11M US of venture capital financing from a consortium of three Silicon Valley investors, U.S. Venture Partners, Softbank, and E.M. Ventures. A total of \$27M US was invested by these partners over the life of PhotoPoint.
- With the investment, a new San Francisco based PhotoPoint Corporation USA office was created, to handle the sales, marketing, and business development needs of the product. Pantellic Software remained the sole provider of the technical leadership, technical development, infrastructure, and hosting services.
- Oversaw the development of a multi-million dollar high reliability hosting facility in the Maritime Center, Halifax, as well as development of the software and support infrastructure to provide 24/7 uptime and round the clock monitoring and support.
- Oversaw the design and development of an e-commerce infrastructure to provide paid PhotoPoint accounts, as well as a wide variety of photo related merchandising, in conjunction with multiple partners. This included the on-line processing of credit card transactions, as well as the infrastructure to automatically route orders to the appropriate US based partners for fulfillment.
- Provided overall leadership to management and employees of Pantellic Software, Inc., which grew to over 75 employees at its peak.
- Managed relationships with business partners

1999-2001
PhotoPoint
San Francisco
CA

Chief Technology Officer, Founder

- Concurrent with California Venture Capital investment and the formation of a PhotoPoint U.S. head office, I held an additional role within the PhotoPoint Corporation US office as the primary technical lead for the direction of the company.
- Provided technical leadership and guidance to the non-technical management members.
- Coordinated the sales, marketing, and business development needs of the US office with the technical team at Pantellic in Halifax.
- Sat on the PhotoPoint.com board of directors.

1997
**Dalhousie
University**
Halifax
Nova Scotia

Assistant Professor

- Taught required Computing Science Course, Introduction to Computer Architectures

1990-1998
**Mortice Kern
Systems**
Waterloo
Ontario

Team Leader, Senior Architect

- From March of 1990 to March of 1991, I worked in Waterloo, Ontario for MKS as Senior Developer on their flagship product, the MKS Toolkit, a suite of UNIX shell and utilities for non-Unix platforms.
- In March of 1991, I reached an agreement with management whereby I would move to Nova Scotia, but continue to work for MKS, telecommuting. Such an arrangement was unprecedented within MKS, and quite rare for it's day.
- Designed and implemented a DOS program to allow UUCP (Unix to Unix Copy) communication, allowing low end PC's to send and receive email

and news with high end UNIX systems. This eventually became MKS's "Internet Anywhere" product.

- Ported MKS's flagship product, the MKS Toolkit, to Windows 2000/NT.
- Implemented various security and encryption (and compression) protocols from crypt, https, SSL
- As the popularity of this product grew and the team was expanded, became team leader of the MKS Toolkit group, despite the fact I was still telecommuting.
- Developed the prototype, and subsequently the initial product offering of Web Integrity, designed to provide change management services for web servers. After I demonstrated the viability of using the newly emergent Java language in a prototype for this product, this team grew to over twenty members, actively working on the product. This product was licensed by Netscape Communications Corp, for integration into their enterprise servers. I spent a moderate amount of time at Netscape's head office, providing integration services for this product on the multiple UNIX platforms their servers supported.

1989-1990
IBM Canada
Toronto
Ontario

Development Analyst

- Designed and implemented testing scenarios for IBM's C/C++ compiler, on a variety of platforms.
- Worked closely with the core developers in isolating and identifying bugs in the compiler product.

EDUCATION

May 1989
Dalhousie University
Halifax
Nova Scotia

Master of Science, Majoring in Computer Science

May 1988
Dalhousie University
Halifax
Nova Scotia

Bachelor of Commerce, Majoring in Computer Science

OTHER

- Strong writing skills
- Strong presentation skills, comfortable presenting in front of large audiences
- Extensive experience writing business plans and analysis

OTHER TECHNICAL EXPERIENCE

In addition to technical aspects directly related to my work experience, I have knowledge and experience with a number of other aspects of technology.

- Extensive experience with a wide variety of programming languages, development, security, and web technologies
- Experience with various security tools and platforms, such as Tor, I2P, Freenet, Zeronet, VPN's, PGP, OpenSSL, OpenVPN, Tails, Qubes (code contributor), Deiban, NetBSD, RedHat,...
- Extensive understanding and experience of VOIP systems, protocols, hardware, and

- related issues; extensive use of Linksys/Cisco, and other hardware; extensive experience building and managing Asterisk servers
- Extensive understanding of network protocols and hardware (DD-Wrt, OpenWrt, Tomato), routing, firewalls, VLANs, VPNs, etc.
 - Experience with virtualization systems (VMWare, Xen, Parallels, VirtualBox)
 - Experience with analog and digital electronics, microcontrollers, embedded systems
 - Experience with a wide variety of operating systems (Windows, Linux, Solaris, OSX)
 - Experience with assembly language, hardware interfacing
 - Low level Linux kernel experience
 - iOS (iPhone, iPod, iPad) programming experience and ability

AWARDS, MEMBERSHIPS, ACTIVITIES

- 2006 Finalist in InnoavCorp's I3 Start-up Competition
- 2001 Ernst & Young Entrepreneur of the Year Award, Emerging Technologies
- 2000 Halifax Chamber of Commerce, Bronze Award for Best New Business
- 2000 Atlantic Progress Magazine, Top 50 CEO's
- 1997 Sun Microsystems Java Cup Programming Contest: First Place, Web/Internet category.
- *(Recreational)* 1997 Bedford Basin Yacht Club, Club Champion
- 1995-1998: Fleet Captain Afloat, Fleet Captain Ashore, Vice Commodore House; Bedford Basin Yacht Club
- 1996-2001: Taught Adult Intro to Sailing, BBYC

PATENTS

- Patent application for use of a local web proxy for providing a web based user interface for a remote server based application.
- Patent application for use of automated email submission and processing of digital images to a web site.
- Patent application for use of POP/SMTP proxies for unobtrusive capturing and indexing of email.
- Patent applications in progress for several IronSentry related technologies